

MONTHLY WEATHER REVIEW,

NOVEMBER, 1872.

WAR DEPARTMENT,

Office of the Chief Signal Officer,

DIVISION OF



TELEGRAMS AND REPORTS FOR THE BENEFIT OF COMMERCE AND AGRICULTURE.

STORMS.

During the month twenty-four storm-centres have traversed various parts of the country east of the Rocky Mountains. Fifteen of these disturbances have pursued an irregular eastward course from the northwest over the Lake region to Canada, or, crossing the Saint Lawrence Valley, have traveled eastward over Maine and New Brunswick; two have moved from the upper Mississippi valley eastward to Virginia, and thence along the coast to New England; four have crossed the country diagonally from the southwest to New England and the eastern British provinces; one from Texas across the northern portion of the Gulf to Florida; and two, which were probably central at some distance from the coast, have been felt along the Atlantic sea-board.

Destructive gales have attended the progress of many of these storm-centres, particularly over the upper lake region, in the Saint Lawrence Valley, and on the middle and east Atlantic coasts. Their approach has, however, been heralded by the display during the month of sixty-eight cautionary signals at the Lake stations, fourteen on the Atlantic coast, and six on the Gulf.

RAINFALL.

Notwithstanding the number of storms which have visited the country during the month, the returns from the Signal Service stations show that the precipitation has been generally less than the mean for November at the Rocky Mountain stations, in Florida, the Southwest (except southeastern Texas and southern Louisiana), the Northwest, the Ohio Valley, and throughout the Lake region. The figures show this deficiency to be greatest over the section of country extending from Kansas eastward to Kentucky and Ohio, averaging about 2 inches, but amounting to over 4 inches in central Indiana. An excess of rain has fallen in the Carolinas, Georgia, eastern Tennessee, central Alabama, southern Louisiana, and southeastern Texas, while about the average quantities are reported from the Middle and Eastern States, except the western portions of Pennsylvania and New York, where the amounts are below the mean.

TEMPERATURE.

The mean temperatures for the month at the various Signal Service stations show that the month has been colder than usual everywhere from the Atlantic to the Rocky Mountains, excepting, perhaps, in Montana. Areas of high barometric pressure, attended by low temperatures for the season, have, in several instances, followed close after the storm-centres, causing cold "northers" in the Southern States, and fierce, cold, westerly gales over the Northwest and upper lake region. The variation of the mean temperature below the mean for November has, consequently, been greatest in these sections, amounting to from 3° to 8°. Compared with November of last year, lower temperatures have prevailed everywhere east of the Rocky Mountains, except in New England, New York, New Jersey, and eastern Pennsylvania. Thus the mean temperature is higher than the same for November, 1871, by 3°.1 at New London, 3°.3 at Portland, Me., and 8°.7 at Burlington, Vt., but lower by 5°.1 at Savannah, 7°.4 at Jacksonville, Fla., 5°.9 at Mobile, 7°.6 at Cincinnati, 4° at Saint Paul, and 4°.8 at Escanaba, Mich.

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